



Attorney's Docket No.: 14084-005US1

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PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Peter John Sadler et al.

Art Unit : Unknown

Serial No. : 10/520,239

Examiner : Unknown

Filed : January 4, 2005

Title : RUTHENIUM ANTICANCER COMPLEXES

MAIL STOP AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form.

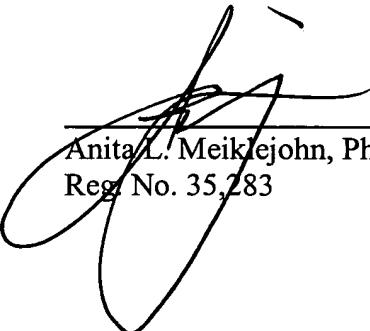
Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

This statement is being filed before the receipt of a first Office Action on the merits.

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Respectfully submitted,

Date: 18 OCT 2005


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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Typed or Printed Name of Person Signing Certificate

Substitute Form PTO-1449 (Modified) 14PS OCT 24 2005 U.S. Patent and Trademark Office Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR, § 1.98(b))		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 14084-005US1	Application No. 10/520,239
		Applicant Peter John Sadler et al.		
		Filing Date January 4, 2005	Group Art Unit	

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,980,473	12/25/90	Barton			
	AB						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	AC	EP 0 916 631	05/19/99	European Patent Office			
	AD	WO01/30790	05/03/01	WIPO			
	AE	WO02/02572	01/10/02	WIPO			

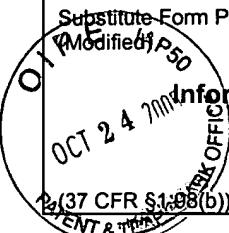
Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AF	Allardyce, C.S. and Dyson, P.J., "Ruthenium in Medicine: Current Clinical Uses and Future Prospects" <i>Platinum Metals Rev.</i> 45(2): 62-69 (2001)
	AG	Bell, M.N. et al, "Carbocyclic Complexes Incorporating Macroyclic Ligands. The Synthesis and Single Crystal X-Ray Structure of the Binuclear Species [Rh ₂ (n-c ₅ Me ₅) ₂ Cl ₂ (L)](BPh ₄) _x (L = 1,4,7,10,13,16-hexathiacyclo-octadecane)" <i>J. Chem. Soc. Chem. Commun.</i> 1986:471-472 (1986)
	AH	Ben Ammar, H. et al, "Synthesis of bis-oxazoline-ruthenium (II)-arene complexes. Combined catalytic isomerisation and Claisen rearrangement of bisallyl ether" <i>Journal of Organometallic Chemistry</i> 662:63-69 (2002)
	AI	Bennett, M.A. et al, "Mono- and bis-(acetylacetone) complexes of arene-ruthenium(II) and arene-oosumium(II): variation of the binding mode of n1-acetylacetone with the nature of the arene" <i>Canadian Journal of Chemistry</i> 79:655-669 (2001)
	AJ	Carmona, D. et al, "Heterobi- and Herotetranuclear RuRh and RuIr Complexes with 2,2'-Biimidazole and 2,2'-Bibenzimidazole Anions as Bridging Ligands" <i>Organometallics</i> 14: 2066-2080 (1995)
	AK	Carmona, D. et al, "Synthesis, X-Ray Structure, and Nuclear Magnetic Resonance (1H and 13C) Studies of Ruthenium (II) Complexes containing Pyrazolyl Ligands†" <i>J. Chem. Soc. Dalton Trans.</i> 1990:1463-1476 (1990)
	AL	Chen, H. et al, "Organometallic Ruthenium(II) Diamine anticancer Complexes: Arene-Nucleobase Stacking and Stereospecific Hydrogen-Bonding in Guanine Adducts" <i>JACS</i> 124(12):3064-3082 (2002)
	AM	Clarke, M.J. et al, "Non-Platinum Chemotherapeutic Metallopharmaceuticals" <i>Chem. Rev.</i> 99:2511-2533 (1999)
	AN	Dale, L.D. et al, "Studies on DNA damage and induction of SOS repair by novel multifunctional bioreducible compounds. II. A metronidazole adduct of a ruthenium-arene compound" <i>Anti-Cancer Drug Design</i> 7:3-14 (1992)
	AO	Davies, D.L. et al, "(Arene) ruthenium Complexes with Bis(oxazolines): Synthesis and Applications as Asymmetric Catalysts for Diels-Alder Reactions" <i>Organometallics</i> 20:3029-3034 (2001)

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

 <p>Substitute Form PTO-1449 (Modified 10/05)</p> <p>Information Disclosure Statement by Applicant (Use several sheets if necessary)</p> <p>(37 CFR §1.98(b))</p>	U.S. Department of Commerce Patent and Trademark Office	
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	AP	Everaere, K et al, "(B-Amino alcohol)(arene)ruthenium(II)-Catalyzed Asymmetric Transfer Hydrogenation of Functionalized Ketones – Scope, Isolation of the Catalytic Intermediates, and Deactivation Processes" Eur. J. Org. Chem 2001:275-291 (2001)
	AQ	Faller, J.W. et al, "Highly enantioselective Diels – Alder catalysis with a chiral ruthenium bisoxazoline complex" Journal of Organometallic Chemistry 360:17-22 (2001)
	AR	Fernandez, R. et al, "Use of chelating Ligands to Tune the Reactive Site of Half-Sandwich Ruthenium(II) – Arene Anticancer Complexes" Chem. Eur. J. 10:5173-5179 (2004)
	AS	Fernandez, R. et al, "Selective Recognition of Nucleobases by Organometallic ruthenium Complexes" The First Asian Meeting of Bioinorganic Chemistry (ASBIC), Okazaki, Japan March 7-10 2003 AbsP79 (2003)
	AT	Fernandez, R. et al, "Selective Recognition of Nucleobases by Organometallic ruthenium Complexes" The First International Symposium on Bioorganometallic Chemistry) Paris, France July 18-20 2002 Abs PB6 (2002)
	AU	Fernandez, R. et al, "Reconocimiento Selectivo de Nucleobases con Complejos de Rutenio(ii)" Spanish Royal Society, Abstract 2003 (2003)
	AV	Gotze, H.J. et al " Separation of aminoacidato ruthenium(II) complexes by ion-par chromatography" Fresenius' Journal of Analytical Chemistry 346:634-638 (1993)
	AW	Guo, Z., et al "Chelate ring-opening ruthenium complexes: X-ray crystal structure and solution studies of cis, trans-bis (2-dimethyl-aminoethyl)-diphenyl-phosphino (dichloro) ruthenium(II)" Inorganica Chimica Acta 273:1-7 (1998)
	AX	Katho, A., et al "Enantioselective hydride transfer hydrogenation of ketones catalyzed by [(n6-p-cymene)ru(amino acidato)Cl] and[n6-p-cymene)Ru(amino acidato)]3(bf4)3 complexes" Journal of Organometallic Chemistry 593-594:299-306 (2000)
	AY	Kramer, R. et al "Chirale Halbsandwich-Komplexe von Rhodium(III), Iridium(III), Iridium(I) und Ruthenium(II) mit x-Aminosaure-Anionen" Chem. Ber. 123:767-778 (1990); English Abstract included.
	AZ	Kramer, R. et al "Organometallic Half-Sandwich Complexes Promote the Formation of Linear Oligopeptides from Amino Acid Esters" Chem. Eur. J. 2(12):1518-1526 (1996)
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	ABB	Kurosawa, H. et al "Second sphere coordination behavior of aquo and amine ligands bound to a n6-benzeneruthenium(II) cation 1" Inorganica Chimica Acta 270:87-94 (1998)
	ACC	Melchart, M. et al "Using o,o-Chelating Ligands to Tune the Recognition Properties of Ru(II) Arene Anticancer Complexes" Second International Conference of Bioorganometallic Chemistry Zurich, July 14-17, 2003 (2003)
	ADD	Miyaki, Y., "Synthesis and reaction of ruthenium(II) complexes containing heteroatom donor (O,N, and P) tethered to N6-arene ring" Inorganica Chimica Acta 300-302:369-377 (2000)
	AEE	Morris, R.E., et al "Inhibition of Cancer Cell Growth by Ruthenium(II) Arene Complexes" J. Med. Chem. 44:3616-3621 (2001)
	AFF	Ohnishi, T. et al "Coordination Behavior of Ruthenium(II) Complexes with Alcohol Ligand Tethered to n6-Arene Donor" The Chemical Society of Japan 1999:809-810 (1999)
	AGG	Sadler, P.J. "Ruthenium Arene Anticancer Complexes" Second International Conference on Bioorganometallic Chemistry Zurich July 14-17, 2004, Abs p KL-1 (2004)

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	AHH	Sava, G. "Metal Compounds in Cancer Therapy" Edited by Simon P. Fricker, Published by Chapman & Hall London:65-91 (1994)
	AII	Sheldrick, W.S., et al "Synthesis and structural characterization on n6-arene-ruthenium(II) complexes of a-amino acids with coordinating side chains" Jurnal of Organometallic Chemistry 377:357-366 (1989)
	AJJ	Shin, R.Y.C., et al "Arene-Ruthenium Complexes of an Acyclic Thiolate-Thioether and Tridentate Thioether Derivatives Resulting from Ring-Closure Reactions" Inorganic Chemistry Article 42:96-106 (2003)
	AKK	Simal, F., et al "Ruthenium Complexes Containing Diamine-Based Ligands as Catalysts for Insertion of Carbenes into O-H Bonds of Alcohols" Tetrahedron Letters 40(1):63-66 (1999)
	ALL	Stern, C., et al "The use of macrocyclic and polydentate ligands in ruthenium organometallic chemistry" Journal of Organometallic Chemistry 593-594:86-95 (2000)
	AMM	Woisetschilager, O.E., et al "Kohlenwasserstoffverbrückte Metallkomplexe. KLIX [1] Koordinationschemie von bis(ferrocenyl)substituierten 1,3-Diketonaten mit Ruthenium, Rhodium, Iridium und Palladium" Z. Anorg. Allg. Chem. 626(3):766-774 (2000); English Abstract included.

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